NAVSUP
NAVAL SUPPLY SYSTEMS COMMAND

NORFOLK AREA TYCOM TRAINING

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

Ready. Resourceful. Responsive!

LCDR Matt Mullins
NAVSUP 4B1I
OCT 2002

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System Concept

UNITED STATES NAVY SERIAL NUMBER TRACKING
SNT

Definition:

Closed-loop, cradle-to-grave tracking of maintenance critical, serialized components, providing asset visibility and material status, and enabled by automatic identification technology (AIT)

Plan:

Collect data through interfaces with various supply and maintenance systems and provide access to stakeholders via a Virtual Shared Data Warehouse

System Concept

Major Benefits

Maintenance

- Identify Maintenance Deficiencies
- Accurately Measure Reliability
- Accurate Record Configuration
- Identify Latent Defects
- Determine Training Requirements
- Assist Engineering Investigations

Supply

- Assess Repair Turn Around Time
- Decrease Misidentification and Lo
- Warranty Management
- Predict Parts Requirements
- Better Procurement Decisions
- Measure Reliability
- Achieve Total Asset Visibility

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Aviation Asset/Information Flow

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Information Systems

Carcass Screening
Transshipment

Carcass Shipment

ILSMIS
Includes Supply/ Maintenance Data For Aviation and Maritime Assets

ATAC
Hub / Node
Web-MRIL / A-ORS
ATAC DB

ASD
FACTS
FACTS DB

OOMA
OIMA
I-Level

Retail Sector

NALDA IDE

NALCOMIS
Top Tier

OOMA
'O' Level

NALCOMIS
Foundation Tier

DDD/ FISC
U2/DSS

UICP

Web-enabled

SNT System

CAV DB

?

?

CAV

Commercial Depot

Inter-Service Depot

CAV-ORM

Organic Depot

NSWC Crane

Depot Repair

STS/GTN/ LCAV

UICP

GTN

U2/DSS

DDD/ FISC

RFI Wholesale Inventory

Wholesale Sector

= Info Flow - SN
Info Flow – No SN
Not connected
= Asset Flow

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Shipboard: Asset/Information Flow

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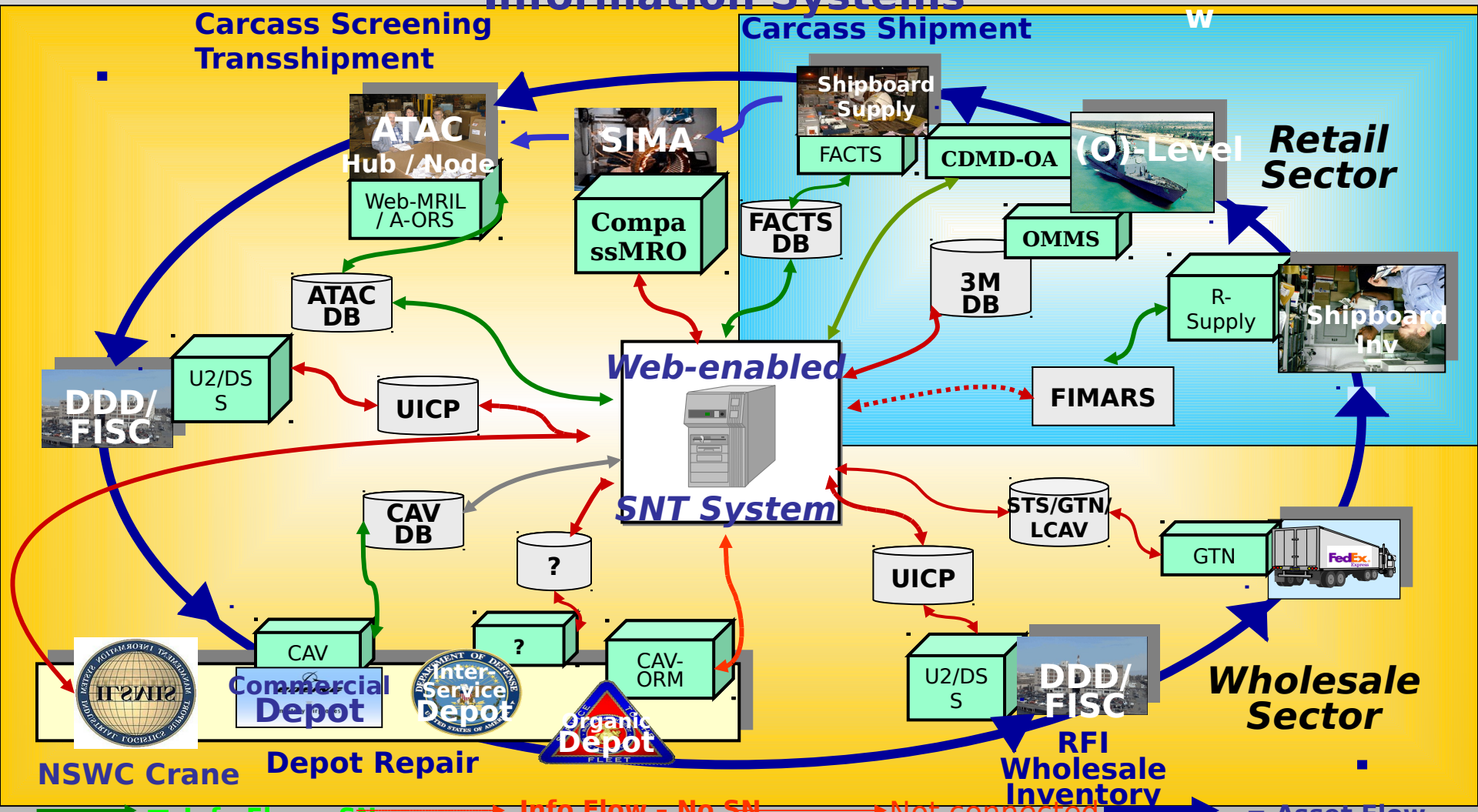
Information Systems Overview



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CMB/Bar Code

P/N 50-100-01
S/N 0152
MFR K0656

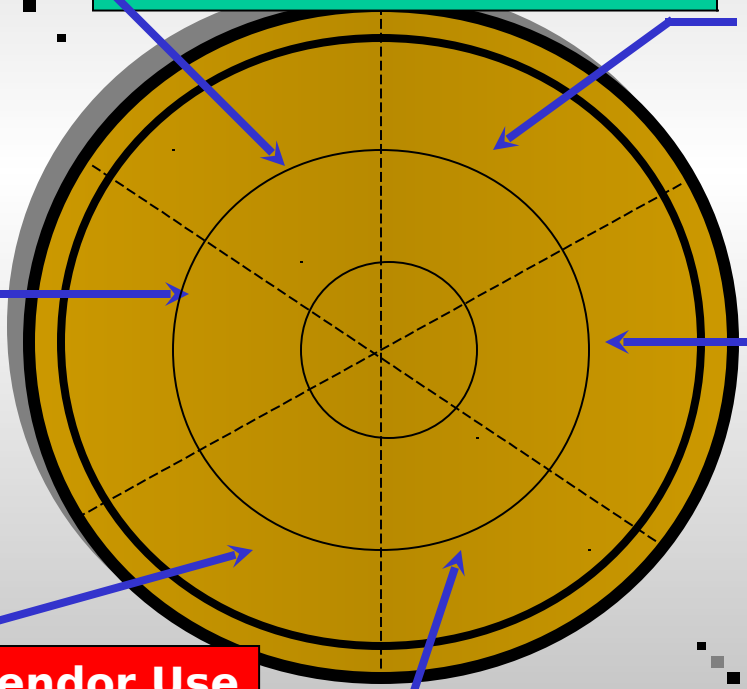
AIT

Nameplate Data

Computer, Air Data CPU-175/A
P/N 50-100-01 SERNO 0152
MFR K0656 CONTR F33657-85C-0025

Scheduled Removal Component Card*

Contact Memory Button CMB



Maintenance History**

Warranty Data

*Electronic Logset In Aviation

Available for Vendor Use

**UseTBD within aviation maintenance

Available for Future Navy Use

CMB Stats:
- 2k,8k,32k
- ~$7-$13 each
- Read/Write
- Dual CMB/BC Reader $1200

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SNT System Status

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- Database Access:
  - NALCOMIS, LMDSS, DMDS, FACTS, ATAC, CAV, R-RAM
  - UICP-P, UICP-M, FIMARS
  - Coming Soon – LCAV, ILSMIS, CDMD-OA, STS
- Queries available: Asset visibility (Retrograde, IMA, In

Warranty, Aviation Maintenance History

- Recent Enhancements:
  - Carcass Watches/Automatic email capability
  - Other Decision Support Reports
  - Link to UICP database

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Demonstrations

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H-60/HSL-40:

- Demonstrate Optimized-Organizational Maintenance Activity (O- OMA) Automatic Identification Technologies (AIT) interfaces
- Track 25 marked components

SQQ-32 SONAR on MCM's/MHC's

- 13 components marked for retrograde tracking

HOSS Camera (AN/SXY-1):

- Contract language and drawing includes Contact Memory Button (CMB). SNT in new production environment

CAMS II A5 Module:

- First introduction in submarine community – mid SEP 2001

Points of Contact
http://www.snt.navsup.navy.mil

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